

Abstract

In wireless Internet, a resource reservation path is established between a CH and a MH through an initial BS located in an initial cell where the MH is currently located. Pseudo reservation paths (PRPs) are established between the initial BS and its neighboring BSs, one PRP being established between the current BS and each of the neighboring BSs. Once the MH moves into one of the neighboring cells of the initial cell, a PRP established for a neighbor BS is activated. The activated PRP is concatenated with the established resource reservation path through the initial BS and the neighbor BS, thereby establishing an optimized resource reservation path.